

**IN THE ABSTRACT OF THE DISCLOSURE**

Please amend the Abstract as follows:

**ABSTRACT OF THE DISCLOSURE**

In a machine-vision system for inspecting a part, a method and apparatus to provide high-speed changing and/or automatic adjustment of illumination angle, dispersion, intensity, and/or color of illumination. One such machine-vision system includes a machine-vision imager located along an optical axis, a controllable light source, a first optical element that selectively directs light in a first predetermined pattern relative to the optical axis based on light characteristics, a second optical element, that directs light in a second predetermined pattern relative to the optical axis, and an electronic controller operatively coupled to the imager and the controllable light source to control the light characteristics and thereby selecting one or more of the first and second predetermined patterns. A machine-vision method includes setting one or more illumination parameters, illuminating the object based on the parameters, obtaining an image, generating a quality parameter based on an image quality of the image, and iterating.